SPECIFICATIONS

Unit: mm (in)

ITEM			STANDARD	SERVICE LIMIT
Cylinder compression			1,275 kPa (13.0 kgf/cm², 185 psi) at 350 min⁻¹ (rpm)	—
Valve clearance		IN	0.16 ± 0.03 (0.006 ± 0.001)	—
		EX	0.25 ± 0.03 (0.010 ± 0.001)	—
Camshaft	Cam lobe height	IN	36.040 – 36.280 (1.419 – 1.428)	36.01 (1.42)
		EX	35.800 – 36.040 (1.409 – 1.419)	35.77 (1.41)
	Runout		—	0.05 (0.002)
	Oil clearance		0.020 – 0.062 (0.008 – 0.0025)	0.10 (0.004)
Valve lifter	Valve lifter O.D.		25.978 – 25.993 (1.0228 – 1.0233)	25.97 (1.022)
	Valve lifter bore I.D.		26.010 – 26.026 (1.0240 – 1.0246)	26.04 (1.025)
Valve, valve guide	Valve stem O.D.	IN	4.475 – 4.490 (0.1762 – 0.1768)	4.465 (0.1758)
		EX	4.465 – 4.480 (0.1758 – 0.1764)	4.455 (0.1754)
	Valve guide I.D.	IN/EX	4.500 – 4.512 (0.1772 – 0.1776)	4.540 (0.1787)
	Stem-to-guide clearance	IN	0.010 – 0.037 (0.0004 – 0.0015)	0.075 (0.0030)
		EX	0.020 – 0.047 (0.0008 – 0.0019)	0.085 (0.0033)
	Valve guide projection above cylinder head	IN	14.5 – 14.7 (0.57 – 0.58)	—
		EX	14.8– 15.0 (0.58 – 0.59)	—
	Valve seat width	IN/EX	0.90 – 1.10 (0.035 – 0.043)	1.5 (0.06)
Valve spring free length		IN	40.9 (1.61)	40.08 (1.578)
		EX	40.9 (1.61)	40.08 (1.578)
Cylinder head warpage			—	0.10 (0.004)

TORQUE VALUES

Cylinder head mounting bolt/washer	48 N•m (4.9 kgf•m, 35 lbf•ft)	Apply molybdenum disulfide oil to the threads and seating surface
Camshaft holder flange bolt	12 N•m (1.2 kgf•m, 9 lbf•ft)	Apply oil to the threads
Cylinder head cover bolt	10 N•m (1.0 kgf•m, 7 lbf•ft)	
Breather plate flange bolt	12 N•m (1.2 kgf•m, 9 lbf•ft)	Apply a locking agent to the threads
		CT bolt
PAIR reed valve cover SH bolt	12 N•m (1.2 kgf•m, 9 lbf•ft)	CT bolt
Cam sprocket flange bolt	20 N•m (2.0 kgf•m, 14 lbf•ft)	Apply a locking agent to the threads
Cam chain lifter mounting socket bolt	10 N•m (1.0 kgf•m, 7 lbf•ft)	
Cam chain tensioner pivot socket bolt	10 N•m (1.0 kgf•m, 7 lbf•ft)	Apply a locking agent to the threads
Cylinder head stud bolt (exhaust pipe stud bolt)	See page 1-14	